İSTANBUL ANALYSIS SEMINARS

POLETSKY-STESSIN-HARDY SPACES ON COMPLEX ELLIPSOIDS

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Abstract: In this talk we consider Poletsky-Stessin-Hardy spaces on complex ellipsoids. Different from the one variable case, classical Hardy spaces are strictly contained in the PS-Hardy classes in this setting therefore the existence of the boundary values is a non-trivial problem to consider. We will focus on the boundary behavior of PS-Hardy spaces and the boundary approach regions regarding their relations with invariant (Kobayashi) approach regions.

Date: June 6, 2014
Time: 15:40
Place: Sabancı University, Karaköy Communication Center
Bankalar Caddesi 2, Karaköy 34420, İstanbul